

# CITY OF HAYWARD

## AGENDA REPORT

AGENDA DATE 03/04/03

AGENDA ITEM 2

WORK SESSION ITEM \_\_\_\_\_

**TO:** Mayor and City Council

**FROM:** Director of Public Works

**SUBJECT:** Hesperian Boulevard Fiber Optic System: Approval of Addenda and Award of Contract

### RECOMMENDATION:

It is recommended that the City Council adopt the attached resolution approving Addenda No. 1 and No. 2, and awarding contract in the amount of \$63,936 to Mike Brown Electric Co.

### BACKGROUND:

This project will install fiber optic cables in existing conduit along Hesperian Boulevard, between Winton Avenue and Sueirro Street, and in new conduit to the Airport Tower. Fire Station No. 6 will also be provided fiber cable in an existing conduit on Winton Avenue. This project will complete a portion of our fiber optic master plan, connect the Airport Tower and Fire Station No. 6 to the City's fiber optic communication system, and improve data communications with City Hall and other facilities.

On January 7, 2003, Council approved the plans and specifications and called for bids to be received on February 4, 2003. During the bidding period, Addenda No. 1 and No. 2 were issued for minor plan revisions, including extending the bid opening date to February 11, 2003. We received nine bids ranging from \$63,936 to \$113,778. Mike Brown Electric Co., of Cotati, submitted the low bid of \$63,936, which is 10.4 percent below the Engineer's Estimate of \$71,370. Shasta General Engineering, Inc., submitted the second low bid of \$64,777.50, which is 9.24 percent below the Engineer's Estimate and \$841.50 more than the low bid.

The Disadvantaged Business Enterprise (DBE) and Women-Owned Business Enterprise (WBE) programs do not apply to this project, because the estimated construction cost is less than \$100,000.

### PROJECT COSTS:

The estimated costs for the project are as follows:

|                                  |                  |
|----------------------------------|------------------|
| Contract Construction Cost       | \$ 63,936        |
| Design and Administration        | 30,000           |
| Inspections, Survey, and Testing | 20,000           |
| Total Project Cost               | <hr/> \$ 113,936 |

**FUNDING:**

The current Capital Improvement Program Budget includes \$175,000 in the Airport Capital Improvement Fund for this project.

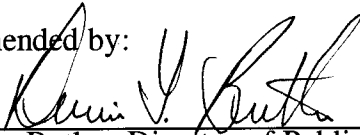
**SCHEDULE:**

|                    |               |
|--------------------|---------------|
| Award Contract     | March 4, 2003 |
| Begin Construction | April 1, 2003 |
| End Construction   | July 3, 2003  |


Prepared by:

  
Robert A. Bauman, Deputy Director of Public Works

Recommended by:

  
Dennis L. Butler, Director of Public Works

Approved by:

  
Jesús Armas, City Manager

Attachments: Exhibit A: Location Map  
Exhibit B: Summary of Bids

[illegible]

## Exhibit A

CITY OF HAYWARD  
**HESPERIAN BOULEVARD FIBER OPTIC SYSTEM TO THE AIR TRAFFIC CONTROL  
TOWER AND FIRE STATION NO. 6**

**PROJECT NO. 6834**

BIDS OPENED: FEBRUARY 4, 2003

Page 1 of 4

(NUMBER OF BIDS RECEIVED - 10)

Exhibit B

| BID SUMMARY |          |      |   | ENGINEER'S ESTIMATE |                  | MIKE BROWN ELECTRIC CO.<br>561-A MERCANTILE DRIVE<br><br>COTATI CA 94931<br>(707) 792-8100<br>PHONE<br>FAX |                  | SHASTA GENERAL<br>ENGINEERING, INC.<br>P.O. BOX 885<br><br>PALO CEDRO CA 96073<br>(530) 547-3906<br>PHONE<br>FAX |                  | BROWN & FESLER, INC.<br>P.O. BOX 715<br><br>SAN RAMON CA 94583<br>(925) 829-3130<br>PHONE<br>FAX |                  |
|-------------|----------|------|---|---------------------|------------------|--|------------------|--|------------------|--|------------------|
| ITEM        | QUANTITY | UNIT | DESCRIPTION                                     | UNIT PRICE          | TOTAL            | UNIT PRICE   | TOTAL            | UNIT PRICE   | TOTAL            | UNIT PRICE   | TOTAL            |
| 1           | 1,148    | LF   | 2" CONDUIT BY TRENCHING/<br>DIRECTINAL DRILLING | 20.00               | 22,960.00        | 15.00  | 17,220.00        | 10.00  | 11,480.00        | 12.00  | 13,776.00        |
| 2           | 5        | EA   | NO. 6 PULL BOX                                  | 650.00              | 3,250.00         | 275.00   | 1,375.00         | 1,000.00   | 5,000.00         | 400.00   | 2,000.00         |
| 3           | 3        | EA   | NO. N48 PULL BOX                                | 1,200.00            | 3,600.00         | 1,200.00   | 3,600.00         | 1,200.00   | 3,600.00         | 650.00   | 1,950.00         |
| 4           | 1        | EA   | REMOVE PULL BOX                                 | 400.00              | 400.00           | 350.00   | 350.00           | 902.60   | 902.60           | 450.00   | 450.00           |
| 5           | 1        | EA   | ELECTRICAL JUNCTION BOX                         | 500.00              | 500.00           | 500.00   | 500.00           | 300.00   | 300.00           | 650.00   | 650.00           |
| 6           | 420      | LF   | 18 SMFO CABLE                                   | 1.00                | 420.00           | 2.50   | 1,050.00         | 4.00   | 1,680.00         | 3.10   | 1,302.00         |
| 7           | 8,022    | LF   | 48 SMFO CABLE                                   | 1.80                | 14,439.60        | 3.00   | 24,066.00        | 2.95   | 23,664.90        | 2.75   | 22,060.50        |
| 8           | 2        | EA   | FIBER OPTIC DISTRIBUTION UNIT                   | 2,500.00            | 5,000.00         | 1,600.00   | 3,200.00         | 2,800.00   | 5,600.00         | 1,841.00   | 3,682.00         |
| 9           | 1        | LS   | CONNECT TO EXISTING SPLICE<br>CLOSURE           | 800.00              | 800.00           | 175.00   | 175.00           | 1,800.00   | 1,800.00         | 2,904.00   | 2,904.00         |
| 10          | 3        | EA   | SPLICE CLOSURE                                  | 1,500.00            | 4,500.00         | 900.00   | 2,700.00         | 750.00   | 2,250.00         | 1,643.00   | 4,929.00         |
| 11          | 2        | EA   | CABLE ENCLOSURE                                 | 1,000.00            | 2,000.00         | 400.00   | 800.00           | 600.00   | 1,200.00         | 1,357.00   | 2,714.00         |
| 12          | 1        | LS   | TRAFFIC CONTROL                                 | 7,000.00            | 7,000.00         | 2,400.00   | 2,400.00         | 800.00   | 800.00           | 4,720.00   | 4,720.00         |
| 13          | 1        | LS   | ADMINISTRATIVE CHANGE<br>ORDERS                 | 6,500.00            | 6,500.00         | 6,500.00   | 6,500.00         | 6,500.00   | 6,500.00         | 6,500.00   | 6,500.00         |
|             |          |      | <b>TOTAL</b>                                    |                     | <b>71,369.60</b> |  | <b>63,936.00</b> |  | <b>64,777.50</b> |  | <b>67,637.50</b> |

CITY OF HAYWARD  
**HESPERIAN BOULEVARD FIBER OPTIC SYSTEM TO THE AIR TRAFFIC CONTROL  
 TOWER AND FIRE STATION NO. 6**

**PROJECT NO. 6834**

BIDS OPENED: FEBRUARY 4, 2003

(NUMBER OF BIDS RECEIVED - 10)

Page 2 of 4

| BID SUMMARY |          |      |   | ENGINEER'S ESTIMATE |                  | COLUMBIA ELECTRIC, INC.<br>1980 DAVIS STREET<br>SAN LEANDRO CA 94577<br>(510) 430-9505      PHONE<br>FAX |                  | NORWOOD CONSTRUCTION<br>5301 BYRON HOT SPRINGS<br>ROAD #E<br>PLEASANTON CA 94514<br>(925) 240-1276      PHONE<br>FAX |                  | VCI TELCOM, INC.<br>4032 CALIFORNIA AVENUE<br>CARMICHAEL CA 95608<br>(916) 944-4302      PHONE<br>FAX |                  |
|-------------|----------|------|---|---------------------|------------------|--|------------------|--|------------------|---|------------------|
| ITEM        | QUANTITY | UNIT | DESCRIPTION                                     | UNIT PRICE          | TOTAL            | UNIT PRICE   | TOTAL            | UNIT PRICE   | TOTAL            | UNIT PRICE  | TOTAL            |
| 1           | 1,148    | LF   | 2" CONDUIT BY TRENCHING/<br>DIRECTINAL DRILLING | 20.00               | 22,960.00        | 20.00  | 22,960.00        | 15.00  | 17,220.00        | 32.00   | 36,736.00        |
| 2           | 5        | EA   | NO. 6 PULL BOX                                  | 650.00              | 3,250.00         | 500.00   | 2,500.00         | 1,000.00   | 5,000.00         | 1,100.00  | 5,500.00         |
| 3           | 3        | EA   | NO. N48 PULL BOX                                | 1,200.00            | 3,600.00         | 800.00   | 2,400.00         | 1,000.00   | 3,000.00         | 1,800.00  | 5,400.00         |
| 4           | 1        | EA   | REMOVE PULL BOX                                 | 400.00              | 400.00           | 500.00   | 500.00           | 500.00   | 500.00           | 550.00  | 550.00           |
| 5           | 1        | EA   | ELECTRICAL JUNCTION BOX                         | 500.00              | 500.00           | 500.00   | 500.00           | 800.00   | 800.00           | 2,465.00  | 2,465.00         |
| 6           | 420      | LF   | 18 SMFO CABLE                                   | 1.00                | 420.00           | 2.80   | 1,176.00         | 5.00   | 2,100.00         | 1.50  | 630.00           |
| 7           | 8,022    | LF   | 48 SMFO CABLE                                   | 1.80                | 14,439.60        | 3.00   | 24,066.00        | 3.00   | 24,066.00        | 1.50  | 12,033.00        |
| 8           | 2        | EA   | FIBER OPTIC DISTRIBUTION UNIT                   | 2,500.00            | 5,000.00         | 2,500.00   | 5,000.00         | 1,800.00   | 3,600.00         | 2,844.00  | 5,688.00         |
| 9           | 1        | LS   | CONNECT TO EXISTING SPLICE<br>CLOSURE           | 800.00              | 800.00           | 1,500.00   | 1,500.00         | 2,640.00   | 2,640.00         | 1,524.00  | 1,524.00         |
| 10          | 3        | EA   | SPLICE CLOSURE                                  | 1,500.00            | 4,500.00         | 1,500.00   | 4,500.00         | 1,800.00   | 5,400.00         | 1,656.00  | 4,968.00         |
| 11          | 2        | EA   | CABLE ENCLOSURE                                 | 1,000.00            | 2,000.00         | 1,500.00   | 3,000.00         | 1,500.00   | 3,000.00         | 850.00  | 1,700.00         |
| 12          | 1        | LS   | TRAFFIC CONTROL                                 | 7,000.00            | 7,000.00         | 1,500.00   | 1,500.00         | 2,500.00   | 2,500.00         | 1,500.00  | 1,500.00         |
| 13          | 1        | LS   | ADMINISTRATIVE CHANGE<br>ORDERS                 | 6,500.00            | 6,500.00         | 6,500.00   | 6,500.00         | 6,500.00   | 6,500.00         | 6,500.00  | 6,500.00         |
|             |          |      | <b>TOTAL</b>                                    |                     | <b>71,369.60</b> |  | <b>76,102.00</b> |  | <b>76,326.00</b> |   | <b>85,194.00</b> |

CITY OF HAYWARD  
**HESPERIAN BOULEVARD FIBER OPTIC SYSTEM TO THE AIR TRAFFIC CONTROL  
TOWER AND FIRE STATION NO. 6**

**PROJECT NO. 6834**

BIDS OPENED: FEBRUARY 4, 2003

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(NUMBER OF BIDS RECEIVED - 10)

| BID SUMMARY |          |      |   | ENGINEER'S ESTIMATE |                  | ST. FRANCIS ELECTRIC, INC.<br>23294 CONNECTICUT STREET<br>HAYWARD CA 94545<br>(510) 887-2888<br>PHONE<br>FAX |                  | UNDERGROUND<br>CONSTRUCTION CO., INC.<br>5145 INDUSTRIAL WAY<br>BENICIA CA 94510<br>(707) 746-8800<br>PHONE<br>FAX |                  | STEINY AND COMPANY, INC.<br>27 SHERIDAN ST<br>VALLEJO CA 94590<br>(707) 552-6900<br>PHONE<br>FAX |                   |
|-------------|----------|------|---|---------------------|------------------|--|------------------|--|------------------|--|-------------------|
| ITEM        | QUANTITY | UNIT | DESCRIPTION                                     | UNIT PRICE          | TOTAL            | UNIT PRICE   | TOTAL            | UNIT PRICE   | TOTAL            | UNIT PRICE   | TOTAL             |
| 1           | 1,148    | LF   | 2" CONDUIT BY TRENCHING/<br>DIRECTINAL DRILLING | 20.00               | 22,960.00        | 30.00  | 34,440.00        | 27.00  | 30,996.00        | 27.00  | 30,996.00         |
| 2           | 5        | EA   | NO. 6 PULL BOX                                  | 650.00              | 3,250.00         | 450.00   | 2,250.00         | 950.00   | 4,750.00         | 1,000.00   | 5,000.00          |
| 3           | 3        | EA   | NO. N48 PULL BOX                                | 1,200.00            | 3,600.00         | 750.00   | 2,250.00         | 1,355.00   | 4,065.00         | 1,250.00   | 3,750.00          |
| 4           | 1        | EA   | REMOVE PULL BOX                                 | 400.00              | 400.00           | 100.00   | 100.00           | 1,016.00   | 1,016.00         | 1,000.00   | 1,000.00          |
| 5           | 1        | EA   | ELECTRICAL JUNCTION BOX                         | 500.00              | 500.00           | 350.00   | 350.00           | 374.00   | 374.00           | 1,250.00   | 1,250.00          |
| 6           | 420      | LF   | 18 SMFO CABLE                                   | 1.00                | 420.00           | 3.29   | 1,381.80         | 3.50   | 1,470.00         | 15.24  | 6,400.80          |
| 7           | 8,022    | LF   | 48 SMFO CABLE                                   | 1.80                | 14,439.60        | 2.83   | 22,702.26        | 3.75   | 30,082.50        | 2.20   | 17,648.40         |
| 8           | 2        | EA   | FIBER OPTIC DISTRIBUTION UNIT                   | 2,500.00            | 5,000.00         | 1,925.00   | 3,850.00         | 3,111.00   | 6,222.00         | 4,865.80   | 9,731.60          |
| 9           | 1        | LS   | CONNECT TO EXISTING SPLICE<br>CLOSURE           | 800.00              | 800.00           | 3,030.00   | 3,030.00         | 2,075.00   | 2,075.00         | 4,461.20   | 4,461.20          |
| 10          | 3        | EA   | SPLICE CLOSURE                                  | 1,500.00            | 4,500.00         | 1,720.00   | 5,160.00         | 2,005.00   | 6,015.00         | 3,743.04   | 11,229.12         |
| 11          | 2        | EA   | CABLE ENCLOSURE                                 | 1,000.00            | 2,000.00         | 1,420.00   | 2,840.00         | 415.00   | 830.00           | 4,036.57   | 8,073.14          |
| 12          | 1        | LS   | TRAFFIC CONTROL                                 | 7,000.00            | 7,000.00         | 7,500.00   | 7,500.00         | 1,365.00   | 1,365.00         | 5,000.00   | 5,000.00          |
| 13          | 1        | LS   | ADMINISTRATIVE CHANGE<br>ORDERS                 | 6,500.00            | 6,500.00         | 6,500.00   | 6,500.00         | 6,500.00   | 6,500.00         | 6,500.00   | 6,500.00          |
|             |          |      | <b>TOTAL</b>                                    |                     | <b>71,369.60</b> |  | <b>92,354.06</b> |  | <b>95,760.50</b> |  | <b>111,040.26</b> |

CITY OF HAYWARD  
**HESPERIAN BOULEVARD FIBER OPTIC SYSTEM TO THE AIR TRAFFIC CONTROL  
TOWER AND FIRE STATION NO. 6**

**PROJECT NO. 6834**

BIDS OPENED: FEBRUARY 4, 2003

(NUMBER OF BIDS RECEIVED - 10)

Page 4 of 4

| BID SUMMARY |          |      |   | ENGINEER'S ESTIMATE |                  | TENNYSON ELECTRIC, INC.<br>7275 NATIONAL DRIVE<br><br>LIVERMORE CA 94550<br>(925) 606-1038      PHONE<br>FAX |                   |
|-------------|----------|------|---|---------------------|------------------|--|-------------------|
| ITEM        | QUANTITY | UNIT | DESCRIPTION                                     | UNIT PRICE          | TOTAL            | UNIT PRICE   | TOTAL             |
| 1           | 1,148    | LF   | 2" CONDUIT BY TRENCHING/<br>DIRECTINAL DRILLING | 20.00               | 22,960.00        | 33.50  | 38,458.00         |
| 2           | 5        | EA   | NO. 6 PULL BOX                                  | 650.00              | 3,250.00         | 600.00   | 3,000.00          |
| 3           | 3        | EA   | NO. N48 PULL BOX                                | 1,200.00            | 3,600.00         | 1,000.00   | 3,000.00          |
| 4           | 1        | EA   | REMOVE PULL BOX                                 | 400.00              | 400.00           | 800.00   | 800.00            |
| 5           | 1        | EA   | ELECTRICAL JUNCTION BOX                         | 500.00              | 500.00           | 800.00   | 800.00            |
| 6           | 420      | LF   | 18 SMFO CABLE                                   | 1.00                | 420.00           | 3.00   | 1,260.00          |
| 7           | 8,022    | LF   | 48 SMFO CABLE                                   | 1.80                | 14,439.60        | 5.00   | 40,110.00         |
| 8           | 2        | EA   | FIBER OPTIC DISTRIBUTION UNIT                   | 2,500.00            | 5,000.00         | 2,200.00   | 4,400.00          |
| 9           | 1        | LS   | CONNECT TO EXISTING SPLICE<br>CLOSURE           | 800.00              | 800.00           | 700.00   | 700.00            |
| 10          | 3        | EA   | SPLICE CLOSURE                                  | 1,500.00            | 4,500.00         | 2,150.00   | 6,450.00          |
| 11          | 2        | EA   | CABLE ENCLOSURE                                 | 1,000.00            | 2,000.00         | 950.00   | 1,900.00          |
| 12          | 1        | LS   | TRAFFIC CONTROL                                 | 7,000.00            | 7,000.00         | 6,400.00   | 6,400.00          |
| 13          | 1        | LS   | ADMINISTRATIVE CHANGE<br>ORDERS                 | 6,500.00            | 6,500.00         | 6,500.00   | 6,500.00          |
|             |          |      | <b>TOTAL</b>                                    |                     | <b>71,369.60</b> |  | <b>113,778.00</b> |

**DRAFT**

NH 2/18/03

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

**RESOLUTION APPROVING ADDENDA NO. 1 AND 2 AND  
AWARDING CONTRACT TO MIKE BROWN ELECTRIC  
COMPANY FOR THE HESPERIAN BOULEVARD FIBER  
OPTICS PROJECT, PROJECT NO. 6834**

WHEREAS, by resolution on January 7, 2003, the City Council approved the plans and specifications for the Hesperian Boulevard Fiber Optics Project, Project No. 6834, and called for bids to be received on February 4, 2003; and

WHEREAS, Addenda No. 1 and 2 were issued for minor plan revisions including extending the bid opening date to February 11, 2003; and

WHEREAS, on February 11, 2003, nine bids were received ranging from \$63,936 to \$113,778; Mike Brown Electric Co., of Cotati submitted the low bid of \$63,936 which is 10.4 percent below the Engineer's estimate of \$71,370; and

WHEREAS, the project is categorically exempt from environmental review under the California Environmental Quality Act.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Addenda No. 1 and 2 are hereby approved and adopted as part of the plans and specifications of the project.

BE IT FURTHER RESOLVED by the City Council of the City of Hayward that Mike Brown Electric Company of Cotati, California is hereby awarded the contract for the Hesperian Boulevard Fiber Optics Project, Project No. 6834, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward is awarded at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute a contract with Mike Brown Electric Company, in an amount not to exceed \$63,936, for the award of the project on behalf of the City of Hayward, in a form to be approved by the City Attorney.



N COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 2003

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward